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### PROGRESS REPORT THROUGH APRIL 2019

Site Name: **Pristine**  
Project Number: 1453-038-00-10 0003AP  
Vehicle: SSP&A  
SSID: 0556  
EPA CERCLA ID: OHD076773712  
RPM: David Linnear

#### *Work Performed:*

During this period, SSP&A reviewed modeling results and reviewed and processed model runs, a PowerPoint presentation was prepared for a call with EPA. SSP&A prepared to improve the simulated results, conducted a sensitivity analysis of Kx in Layer 7 to improve the match and set up more runs to improve the match of the hydrographs. Tests to improve the simulated water levels at MW100, MW87 and MW88 were performed. Modeling runs v7 and v8 were calculated and the results analyzed. ASC files for heads in 7 layers for Run3 and 4 for all years were prepared; the simulations of Run3 and Run4 with EW4 and EW5 turned on in 2018 were performed and ASC files were prepared; the steady-state simulations for Run3 and 4 with EW4 and EW5 turned on at a rate of 50 gpm was run, including preparation of the corresponding ASC files; particle tracking and preparation of the EW4 and EW5 capture zones for additional runs.

#### *Completion (1 May 2017 through April 30, 2019):*

% of Scope:	73%
% of Obligated Funds:	73%
% of Approved Funds:	73%

#### *Remaining Funding:*

Obligated Funds	\$150,279.44
Funds Used	\$110,403.95
Remaining Funds	\$39,875.50
Non-obligated Funds Remaining	\$0.00

#### *Anticipated Delays or Issues:*

None.

#### *Forecasts of Potential New Tasks or Additional Hours/Costs:*

None.

#### *Personnel Changes:*

None.

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Contract Task #	Project Task #	Task	Work to be Completed	Estimated Completion / Delivery Date	Deliverable*
2.A.1	4 and 8	Mapping Hydraulic Gradients	<p>Hydraulic gradient analysis Technical Memo: Use the mapping tools developed in Phase I, for mapping of new of water level maps, as required, that better incorporate localized data such as the various pumping conditions of the two localized municipal drinking water extraction systems, the river, the buried bedrock channel, apparent eastward flow conditions in along the eastern boundary of the landfill, the depth of leachate and other site specific conditions.</p> <p>Web-based Map : Provide results of new analysis in the existing Web-based GIS tool developed in Phase I</p>	<p>60 days from receipt of data.</p> <p>60 days from request.</p>	Technical Memo; Web map
2.A.2	3	Optimizing Groundwater Monitoring Networks:	Technical Memo on resolving data gaps : Review RP's plan to resolve the data gap delineated in Phase I.	60 days from request.	Technical Memo
2.A.3	1,5,6,7	Evaluating Remedy Effectiveness and Remedial Progress:	<p>Technical Memo on updated modeling and status of remedy progress: Review any recent hydrogeologic studies and monitoring reports and a confirmation or an updating of the site conceptual hydrogeologic model and status of remedy progress if needed. 7) If requested by EPA, use the existing groundwater flow models updated in Phase I as required to be to determine remedy performance and evaluate the RP's proposed augmentation of the Site's remedy</p> <p>draft Technical Memo on areas of capture final Technical Memo on areas of capture: Determine expected temporal (separate &amp; combined) areas of capture for the current two localized municipal drinking water extraction systems based on the RP proposed augmentation of the Site's remedy</p> <p>draft Technical Memo on MNA expected performance final Technical Memo on MNA expected performance: Determine expected performance of Monitored Natural Attenuation (MNA) as a remedy based on RP proposed augmentation of the Site's remedy</p>	<p>Draft: 75 days after receiving data</p> <p>Final: 30 days after receiving comments</p>	Technical Memos
2.A.4	2	Optimizing Remedial Actions:	Technical Memo detailing the analysis methods and results of the analysis. Electronic files of results as described in Task description. Analyze the RP proposed augmentation of the Site's remedy to determine effects on groundwater contaminate conditions nature and extent and determine changes over-time and determine 3D plume stability.	<p>Draft: 75 days after receiving data</p> <p>Final: 30 days after</p>	Technical Memo

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				receiving comments	
2.A.5.1	Option al 1	Review and Comment of EPA Region 5 Reports	Technical Memos on review of 4 periodic groundwater monitoring reports: Review four periodic groundwater monitoring reports that RPs are required to submit throughout the year.	60 days from request.	Techical Memos
2.A.5.2	Option al 2	Review and Comment of EPA Region 5 Reports	Evaluate one RP report that includes Remedy Effectiveness and Remedial Progress detailing the analysis methods and results of the analysis: Provide comprehensive detailed written report on the review of one additional RP developed Remedy Effectiveness and Remedial Progress report that may be submitted including reviewing the results of RP's analysis of the proposed augmentation of the Site's remedy.	Draft Report due 75 days from request Final Report within 30 days of receipt of comments.	Report

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*Monthly Administrative Status:*

Date last invoices submitted:	Invoice 21097 (\$35,405.52) dated 05/15/2019 and submitted on 05/15/2019
Date last payment received:	May 3, 2019 for Invoice 21024 (\$27,039.37) dated 04/11/2019 and submitted on 04/11/2019
Status of Funding or Requests for Quotes	<p><b>Reilly Tar:</b> Additional funding is required to continue technical support at the site:</p> <ul style="list-style-type: none"> <li>Continue the following tasks initiated during option period 2:               <ol style="list-style-type: none"> <li>1) Review draft Remedial Action Plan;</li> <li>2) Re-evaluate conclusions of SSPA's 2012 Institutional Controls report to incorporate new soil screening levels;</li> <li>3) Develop and implement soil sampling plan to evaluate current soil cover and fill IC data gaps.</li> </ol> </li> <li>Pumping cessation: Review evaluation of hydraulic data obtained from water level transducers prior and in response to cessation to characterize aquifer properties, evaluate changes in horizontal and vertical hydraulic gradients.</li> <li>Update plume boundaries based on newly updated regulatory limits (MCL, HRL or HBV).</li> <li>Implement 3D visualization of the site plumes and monitoring network in Groundwater Desktop to assist with data evaluation, sharing and decision-making.</li> <li>Review of Annual Report and chemical data, pumping rates and water level data presented in the annual groundwater monitoring report, compare to historical results, perform analyses to develop recommendations to optimize groundwater monitoring network for the Drift, Platteville, St. Peter, Jordan and Wonewoc aquifers.</li> <li>Continue addressing questions regarding VOC contamination in the vicinity of the Site.</li> </ul> <p><b>Keystone:</b> Additional funds are immediately required to continue support at the Keystone Corridor site (last funding was received in 2017 (\$130,300) for the period May 2017 through April 2018). The following activities, requiring SSP&amp;A's involvement, are tentatively scheduled through the end of the contract period (Oct 30, 2019):</p> <p><u>Keystone Corridor OU1 (Source Area):</u></p> <ul style="list-style-type: none"> <li>Review of the draft ROD</li> </ul> <p><u>Keystone Corridor OU2 (Site-wide GW):</u></p> <ul style="list-style-type: none"> <li>Review of finalized RI Report</li> </ul> <p><u>Keystone Corridor OU3 (Vapor Intrusion):</u></p> <ul style="list-style-type: none"> <li>Review of and comments on:</li> <li>Remedial Design Work Plan</li> <li>Site-Specific Plans (SMP, SAP, FSP, QAPP, DMP, HSP)</li> <li>Vapor Intrusion Field Investigation and Data Evaluation Report</li> <li>Preliminary Design Report</li> <li>Final Design Report</li> </ul>

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	<p><b>Ott Story:</b> Activities recently undertaken have required greater effort than was anticipated, and as a result additional funds will be required. The estimated amount of these additional funds to complete the requested work is approximately \$6,000.</p> <p><b>Bendix:</b> Additional funding is required to continue technical support at the site as Five-Year report is being finalized. A quote was submitted on April 29, 2019.</p> <p><b>Conrail:</b> Additional funding is required to continue technical support at the site as investigation and remedy is being implemented</p>
Other Administrative Comments	Quality Assurance Project Plan (QAPP) Draft A submitted on the date requested by Contract Officer (30 May, 2014).
Status of Contract Modifications	<p><i>Option Period 2 Modifications received:</i></p> <p><b>Mod 061 received on 3/01/2019</b> 003AP Pristine, \$51,230 funded, Approved \$52,170, total funding approved is \$141,219.44 Exercise Federal acquisition Regulation clause 52.217-8 - Option to Extend Services Period of performance is 5/1/2014 to 10/30/2019</p> <p><b>Mod 060 received on 2/22/2019</b> Incorporates Federal acquisition Regulation clause 52.217-8 - Option to Extend Services Period of performance is 5/1/2014 to 4/30/2019</p> <p><b>Mod 059 received on 9/26/2018</b> 003AP Pristine, \$10,000 funded, Approved \$52,170, total funding approved is \$141,219.44 Period of performance is 5/1/2014 to 4/30/2019</p> <p><b>Mod 058 received on 5/22/2018</b> 003AE Reilly Tar, \$101,085 received, total funding is now \$205,145.</p> <p><b>Mod 057 received on 4/11/2018</b> 003AN Kysor, \$6,160 shifted, total funding is now \$8,820.</p> <p><b>Mod 056 received on 03/26/2018</b> 3AP Pristine: deobligation of 0.56, total amount changed to \$89,049.44 03AM Verona: \$4750 added, Total changed from \$61,700 to \$66,450</p> <p><b>Mod 055 received on 3/5/2018</b> 03AM Verona: addition of Technical Direction Memorandum, \$4750 additional funding approve. No new funding obligated.</p> <p><b>Mod 054 received on 2/26/2018</b> Forest Waste Products (05D5) additional funding obligated \$(70,820)</p> <p><b>Mod 053 received on 2/7/2018</b> Forest Waste Products (05D5) approved additional funding \$(70,820), but no funding obligated, total funding approved (\$193,610)</p> <p><b>Mod 052 received on 2/2/2018</b></p>

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	<p>Ott Story (0502) obligated \$16,965.37</p> <p><b>Mod 051 received on 9/15/2017</b> Pristine (0556), obligated 89,500 (fully funded)</p> <p><b>Mod 050 received on 9/8/2017</b> Lemberger, deobligation of \$6303.36 from Option Period 1 Hedblum, deobligation of \$3153.48 from Option Period 1</p> <p><b>Mod 049 received on 9/7/2017</b> Conrail, deobligation of \$1358.26 from Option Period 1 Forest Waste, deobligation of \$32,123.21 from Option Period 1</p> <p><b>Mod 048 received on 9/6/2017</b> St-Regis, deobligation of \$30,283.95 from Option Period 1 Reilly Tar, deobligation of \$3.78 from Option Period 1</p> <p><b>Mod 047 received on 9/5/2017</b> Auto Ion, deobligation of \$11,764.78 from Option Period 1</p> <p><b>Mod 047 received on 7/31/2017 - cancelled</b> Period of performance end date changed from 24- Sept-2017 to 30-Apr-2019 Deobligation of 162,020.47 from Option Period 1</p> <p><b>Mod 046 received on 7/19/2017</b> Keystone (B5VX) obligated \$118,467.26 Ott Story (0502) obligated \$12,000 Bendix (05AS) obligated \$51,696.59</p> <p><b>Mod 045 received on 6/8/2017</b> Ott Story (0502) obligated (\$19,614.63) Verona Well Field (0551) obligated (\$13.55) Kysor (052W) obligated (\$2660) Bendix (05AS) obligated (\$7603.41)</p> <p><b>Mod 044 received on 6/8/2017</b> Keystone (B5VX) obligated (\$11,832.74)</p> <p><b>Mod 043 received on 5/16/2017</b> Hagen Farm (053C) obligated (\$13,100) Auto Ion (05C4) obligated (\$20,300)</p> <p><b>Mod 042 received on 5/8/2017</b> Verona Well Field approved (\$61,700); obligated (\$60,000) Conrail (057Y) obligated (\$65,900)</p> <p><b>Mod 041 received on 4/26/2017</b> Funding received for the following sites: Keystone Corridor (B5VX) approved (\$130,300); obligated (\$0) St. Regis (05J2) approved (\$63,945) and obligated (\$63,945) Lemberger (05J4 and 053E) approved and obligated (\$37,900)</p>
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	<p>Reilly Tar (0506) approved and obligated (\$104,060) Forest Waste Products approved and obligated (\$122,790) Hagen Farm (053C) approved (\$13,100); obligated (\$0) Hedblum (05E9) approved and obligated (\$11,400) Conrail (057Y) approved (\$65,900); obligated (\$0) Auto Ion (05C4) approved (\$20,300); obligated (\$0) Ott Story (0502) approved (\$48,580); obligated (\$0) Kysor (052W) approved (\$2660); obligated (\$0) Bendix (05AS) approved (\$59,300); obligated (\$0)</p> <p><b>Mod 040 received on 3/17/2017</b> Contract Option Period 2 exercised, Period of Performance 05/01/2017 to 04/30/2019, Current GSA schedule ends on 24 September 2017. The period of performance for Option Period 2 is also end 24 September 2017. A modification will be initiated once GSA approves the next GSA Schedule Contract option period.</p>
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